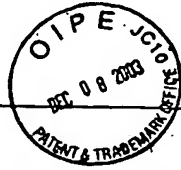




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Form PTO-1449		Attorney Docket No. M112 1071.1		Serial No. 10/701,883			
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant Muhanna et al.			
				Filing Date November 5, 2003	Group		
U.S. PATENT DOCUMENTS							
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CP	A	US 2001/0039458	11/01	Boyer II et al.	623	23.63	
	B	3,875,595	04/75	Froning	3	1	
	C	4,349,921	09/82	Kuntz	3	1	
	D	5,314,477	05/94	Marnay	623	17	
	E	5,609,636	03/97	Kohrs et al.	623	17	
	F	5,674,296	10/97	Bryan et al.	623	17	
	G	5,776,196	07/98	Matsuzaki et al.	623	17	
	H	6,096,080	08/00	Nicholson et al.	623	17	
	I	6,140,452	10/00	Felt et al.	528	60	
	J	6,146,422	11/00	Lawson	623	17.16	
	K	6,395,032	05/02	Gauchet	623	17.12	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
CP	L	WO 99/11203	03/99	PCT	A61F2	44	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
CP	M	Experience and Short-Term Results with No-React Cardiovascular Implants – Chapter 15 – Advances in Anticalcific and Antidegenerative Treatment of Heart Valve Bioprstheses, First Edition, S. Milo, Y Bar-El, V. Kertsman, S. Sawaed, A. Hoffman, Silent Partners, Inc, Austin, 1997					
CP	N	Unsurpassed Cytocompatibility Carotid and Peripheral Vascular Patch – Shelhigh No-React VascuPatch – Shelhigh, Inc.					
CP	O	Shelhigh No-React – Pericardial Patch – Clinical Results – Shelhigh, Inc. - 0318					
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							
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## INFORMATION DISCLOSURE CITATION

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10/701,883

Applicant

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November 5, 2003

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## U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CP	P	4,479,491	10/84	Martin	128	92	
	Q	4,878,915	11/89	Brantigan	623	17	
	R	5,320,644	06/94	Baumgartner	623	17	
	S	5,397,364	03/95	Kozak et al.	623	17	
	T	5,499,984	03/96	Steiner et al.	606	80	
	U	5,782,919	07/98	Zdeblick et al.	623	17	
	V	5,865,848	02/99	Baker	623	17	
	W	6,004,326	12/99	Castro et al.	606	99	
	X	6,120,506	09/00	Kohrs et al.	606	80	
	Y	6,368,325	04/02	McKinley et al.	606	99	
	Z	6,520,967	02/03	Cauthen	606	99	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

CP	AA	Shelhigh DuraShield - No-React Treated, Dural Repair Patch - Shelhigh, Inc. - 0318
CP	AB	No-React Detoxification Process: A Superior Anticalcification Method for Bioprostheses Abolhoda, M.D. et al. - 1996 - The Society of Thoracic Surgeons - Published by Elsevier Science, Inc. - Pages 1724-1730
CP	AC	Calcification of Bovine Pericardium: Glutaraldehyde Versus No-React Biomodification - Abolhoda, M.D. et al. - 1996 - The Society of Thoracic Surgeons - Published by Elsevier - Pages 169-174

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant Muhanna et al.	
				Filing Date November 5, 2003	
U.S. PATENT DOCUMENTS					
Examiner Initials	Item	Document Number	Date	Name	Class Subclass Filing Date If Appropriate
CP	AD	5,425,772	06/95	Brantigan	623 17
	AE	5,693,100	12/97	Pisharodi	623 17
	AF	5,755,798	05/98	Papavero et al.	623 17
	AG	5,776,197	07/98	Rabbe et al.	623 17
	AH	5,916,267	06/99	Tienboon	623 17
	AI	5,961,554	10/99	Janson et al.	623 17
	AJ	5,989,291	11/99	Ralph et al.	623 17
	AK	6,030,390	02/00	Mehdizadeh	606 84
	AL	6,033,438	03/00	Bianchi et al.	623 17
	AM	6,056,749	05/00	Kuslich	606 61
	AN	6,059,790	05/00	Sand et al.	606 99
FOREIGN PATENT DOCUMENTS					
		Document Number	Date	Country	Class Subclass Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)					
CP	AO	Construction Factors Influencing The Shelhigh Porcine Bioprosthesis – Chapter 18 – Advances in Anticalcific and Antidenerative – Treatment of Heart Valve Bioprotheses, First Edition, edited by Shlomo Gabbay, M.D., David J. Wheatley, M.D., Silent Partners, Inc., Austin, 1997			
CP	AP	Structure of The Human Intervertebral Disk – Diwan et al. – Current Concepts in Intervertebral Disk Restoration – Pages 454-464			
CP	AQ	REVIEW – The Artificial Disc: Theory, Design and Materials – Qi-Bin Bao et al. - Biomaterials 1998 – Pages 1157-1167			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					
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## INFORMATION DISCLOSURE CITATION

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Attorney Docket No.  
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10/701,883Applicant  
Muhanna et al.Filing Date  
November 5, 2003

Group

## U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CP	AR	4,599,086	07/86	Doty			
	AS	4,834,757	05/89	Brantigan			
	AT	5,484,437	01/96	Michelson	606	61	
	AU	5,722,977	03/98	Wilhelmy	606	84	
	AV	6,283,966	9/01	Houfburg	606	61	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

CP	AW	Shelhigh No React Patch - Page 1 of 1 - 12/6/00 - <a href="http://www.cosmotec.com/products/cs/shellhigh/e-shellhigh.htm">http://www.cosmotec.com/products/cs/shellhigh/e-shellhigh.htm</a>
CP	AX	Pelvicol Acellular Collagen Matrix - Surgical Innovations Tissue Solutions - BARD - brochure
CP	AY	Shelhigh, Inc. - Handling and Instruction for Use - No-React/Detoxified/Dura Shield - Product No. 555-DS
CP	AZ	Tsantrizos et al., A COMPARATIVE BIOMECHANICAL STUDY OF POSTERIOR LUMBAR INTERBODY FUSION IMPLANTS, 1997 Masters Thesis, Orthopaedic Research Laboratory, Division of Orthopaedic surgery McGill University, Montreal, Qc, Canada, The Uniformed Services, University of the Health Sciences, Bethesda, Maryland, U.S.A.
CP	BA	Collis et al., Anterior Total Disc Replacement: A Modified Anterior Lumbar Interbody Fusion, Lumbar Interbody Fusion, Chapter 13, pages 149-152.

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Form PTO-1449		Attorney Docket No. <b>M112 1071.1</b>		Serial No. <b>10/701,883</b>	
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)		Applicant <b>Mubanna et al.</b>			
		Filing Date <b>November 5, 2003</b>		Group	
U.S. PATENT DOCUMENTS					
Examiner Initials	Item	Document Number	Date	Name	Class Subclass Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS					
		Document Number	Date	Country	Class Subclass Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)					
CP	BB	Medical Multimedia Group, <i>A Patient's Guide to Low Back Pain</i> , <a href="http://www.sechrest.com/mmg/back/backpain.html">www.sechrest.com/mmg/back/backpain.html</a> , pages 1-15, 7/14/00.			
CP	BC	Northwest Spine Surgery, <i>BAK Interbody Fusion</i> , <a href="http://www.backsurgery.com/bak1.htm">www.backsurgery.com/bak1.htm</a> , pages 1-2, ©1998.			
CP	BD	J. Flood - <i>Titanium cage lumbar interbody fusion</i> , © 1997, 1998 - <a href="http://www.irmc.org/about/ortho/qa_titanium.html">http://www.irmc.org/about/ortho/qa_titanium.html</a> , 5/22/00.			
CP	BE	Sulzer Spine-Tech - The BAK™ Patient Information, <i>An Innovative Approach to Surgical Spinal Treatment</i> , <a href="http://www.spine-tech.com/BAK-IPSTIndex.html">http://www.spine-tech.com/BAK-IPSTIndex.html</a> , 5/22/00.			
CP	BF	Sulzer Spine-Tech - The BAK™ Patient Information, <i>About BAK</i> , pages 1-2, <a href="http://www.spine-tech.com/BAK-IPSTBAKTechnology.html">http://www.spine-tech.com/BAK-IPSTBAKTechnology.html</a> , 5/22/00.			
CP	BG	Sulzer Spine-Tech - The BAK™ Patient Information, <i>How BAK Works</i> , <a href="http://www.spine-tech.com/BAK-IFSHowBAKWorks.html">http://www.spine-tech.com/BAK-IFSHowBAKWorks.html</a> , 5/22/00.			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					
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	Applicant <b>Muhanna et al.</b>	
	Filing Date <b>November 5, 2003</b>	Group

**U.S. PATENT DOCUMENTS**

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

CP	BH	Sulzer Spine-Tech – The BAK™ Patient Information, Clinical Results, Prospective Multi-Center Clinical Trial of the BAK™ Fusion System, pages 1-18, <a href="http://www.spine-tech.com/BAK-IFSClinicalResults.html">http://www.spine-tech.com/BAK-IFSClinicalResults.html</a> , 5/22/00.
CP	BI	Dimar et al., Posterior Lumbar Interbody Cages Do Not Augment Segmental Biomechanical Stability.
CP	BJ	Sengupta et al., Biomechanical Comparison of Stability Provided by Rectangular vs Cylindrical Interbody Fusion Cages.
CP	BK	Shelhigh Porcine Pulmonary Valve Conduit, No React Treated Clinical Case History
CP	BL	Workshop on No-React Bioprostheses, Brussels Hilton Hotel, 9/23/98, 12 <sup>th</sup> EACTS Annual Meeting, Moderator: Dr. Shlomo Gabbay.
CP	BM	Manufacturers of No-React Cytocompatible Bioprostheses and Other Tissue Products with Excellent Durability, Shelhigh, Inc.

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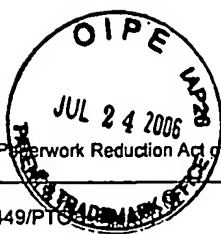
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Attorney Docket No. <b>M112 1071.1</b>		Serial No. <b>10/701,883</b>		
				Applicant <b>Muhanna et al.</b>				
				Filing Date <b>November 5, 2003</b>		Group		
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
CP	A	6,224,607	05/01	Michelson	606	96		
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
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PTO/SB/08A (07-05)  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/701,883
				Filing Date	November 5, 2003
				First Named Inventor	Muhanna
				Art Unit	3738
				Examiner Name	Prone, Christopher D.
Sheet	1	of	1	Attorney Docket Number	M112 1071.1

### U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CP	A	6,096,081	08/2000	Grivas et al.	
	B	6,143,033	11/2000	Paul et al.	
	C	6,322,588	11/2001	Ogle et al.	
	D	6,111,164	08/2000	Rainey et al.	
	E	4,714,469	12/1987	Kenna, Robert V.	
	F	6,277,149	08/2001	Boyle et al.	
	G	6,270,528	08/2001	McKay, William F.	

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
CP	H	WO 9725945	07/1997	PCT	623	17.11		

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PTO/SB/08A (08-03)  
Substitute for Form 1449/PTOApplication Number  
10/701,883Filing Date  
11/05/03INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use as many sheets as necessary)First Named Inventor  
*Muhanna et al.*Art Unit  
N/AExaminer Name  
N/AAttorney Docket Number  
M112 1071.1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CP	A	4,863,477	Monson	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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